

IN THE CLAIMS

13. – 20. (Cancelled)

21. (New) A remotely controllable transfer switch comprising:

a circuit breaker housing;

a first line terminal;

a second line terminal;

a load terminal;

a transfer arm adapted to pivot between a first position in which said transfer arm is electrically connected to said first line terminal and a second position in which said transfer arm is electrically connected to said second line terminal;

a solenoid having a first coil, a second coil and a plunger engaging said transfer arm;

a control circuit for said solenoid including a first terminal adapted to receive a first external signal, a second terminal adapted to receive a second external signal, and a third terminal adapted to receive a control voltage, said control circuit responsive to said first external signal to energize said first coil with said control voltage in order to move said plunger in a first direction to pivot said transfer arm to the first position thereof, said control circuit responsive to said second external signal to energize said second coil with said control voltage in order to move said plunger in a second direction to pivot said transfer arm to the second position thereof;

separable contacts electrically connected between said transfer arm and said load terminal;

an operating mechanism for opening and closing said separable contacts; and

wherein said control circuit further includes a micro-switch having a normally open contact electrically connected in series with the first coil, a normally closed contact electrically connected in series with the second coil, and an operating member for switching said normally open contact and said normally closed contact, said normally closed contact and said normally open contact having a common terminal electrically connected to said third terminal to receive said control voltage to energize one of the first and second coils; and wherein the plunger of said

solenoid has a projection which engages and actuates the operating member in the first position of said transfer arm, thereby causing said normally closed contact to open and said normally open contact to close.

22. (New) A remotely controllable transfer switch comprising:

a circuit breaker housing;

a first line terminal;

a second line terminal;

a load terminal;

a transfer arm adapted to pivot between a first position in which said transfer arm is electrically connected to said first line terminal and a second position in which said transfer arm is electrically connected to said second line terminal;

a solenoid having a first coil, a second coil and a plunger engaging said transfer arm;

a control circuit for said solenoid including a first terminal adapted to receive a first external signal, a second terminal adapted to receive a second external signal, and a third terminal adapted to receive a control voltage, said control circuit responsive to said first external signal to energize said first coil with said control voltage in order to move said plunger in a first direction to pivot said transfer arm to the first position thereof, said control circuit responsive to said second external signal to energize said second coil with said control voltage in order to move said plunger in a second direction to pivot said transfer arm to the second position thereof;

separable contacts electrically connected between said transfer arm and said load terminal;

an operating mechanism for opening and closing said separable contacts; and

wherein the control voltage has a return; wherein the first terminal is adapted for electrical connection with a first remote contact which is referenced to the return of the control voltage; and wherein the second terminal is adapted for electrical connection with a second remote contact which is referenced to the return of the control voltage.